AMENDMENT TO THE CLAIMS:

1. (Currently Amended) An optical fiber grating part comprising:

an elongated pedestal;

a base plates installed on said pedestal, and ~~each base plate~~ having a different coefficient of linear thermal expansion from said pedestal; and

an optical fiber passing through said pedestal, and connected to connection points installed on said pedestal ~~e~~and said base plates located apart from each other in the longitudinal direction of said pedestal, and having an optical fiber grating located between said connection points,

wherein a predetermined tensile force is added to said optical fiber grating, and

said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

an extension line of an axis of said optical fiber joining said connection points passes through a contact surface (K) of ~~between~~ said pedestal and a connection part of said base plates.

2. (Canceled)

3. (Currently Amended) ~~The~~An optical fiber grating part ~~as claimed in claim 1,~~ comprising:

an elongated pedestal;

~~wherein~~ a pair of ~~said~~ base plates ~~are~~ installed on said pedestal apart from each other in the longitudinal direction of said pedestal and ~~each said base plate has said connection points respectively~~having a different coefficient of linear thermal expansion from said pedestal; and

an optical fiber passing through said pedestal, and connected to connection points installed on each of said base plates, and having an optical fiber grating located between said connection points,

wherein a predetermined tensile force is added to said optical fiber grating, and

said pedestal and said base plates thermally expand or thermally shrink independently in the longitudinal direction of said pedestal, and

PAGE 7/12 * RCVD AT 11/22/2005 3:57:23 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/28 * DNIS:2738300 * CSID:8602860115 * DURATION (mm-ss):02-54

an extension line of an axis of said optical fiber joining said connection points passes through a contact surface (K) of said pedestal and a connection part of each of said base plates.

4. (Currently Amended) The optical fiber grating part as claimed in claim 1, wherein a dimension of ~~a~~said connection part of ~~each of~~ said base plates is 1.0015 times or more larger than that of a connection concavity in the longitudinal direction of said pedestal.

5. (Currently Amended) The optical fiber grating part as claimed in claim 1, wherein ~~a~~said connection part of ~~each of~~ said base plates is assembled with a connection concavity in the longitudinal direction of said pedestal with press fitting.

6. (Currently Amended) The optical fiber grating part as claimed in claim 1, wherein ~~a~~said connection part ~~of each~~ of said base plates is assembled with a connection concavity in the longitudinal direction of said pedestal with freeze fitting.

7. (Currently Amended) The optical fiber grating part as claimed in claim 1, wherein said pedestal is made of the inber and said base plates ~~are~~is made of aluminum.

8. (Canceled)

9. (Currently Amended) The optical fiber grating part as claimed in claim ~~2~~3, wherein a dimension of ~~a~~said connection part of each of said base plates is 1.0015 times or more larger than that of a connection concavity in the longitudinal direction of said pedestal.

10. (Currently Amended) The optical fiber grating part as claimed in claim ~~2~~3, wherein ~~a~~said connection part of each of said base plates is assembled with a connection concavity in the longitudinal direction of said pedestal with press fitting.

PAGE 8/12 * RCVD AT 11/22/2005 3:57:23 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/28 * DNIS:2738300 * CSID:8602860115 * DURATION (mm-ss):02-54

11. (Currently Amended) The optical fiber grating part as claimed in claim ~~2~~3, wherein ~~e~~said connection part of each of said base plates is assembled with said connection concavity in the longitudinal direction of said pedestal with freeze fitting.

12. (Currently Amended) The optical fiber grating part as claimed in claim ~~2~~3, wherein said pedestal is made of the inber and said base plates are made of aluminum.

PAGE 9/12 * RCVD AT 11/22/2005 3:57:23 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/28 * DNIS:2738300 * CSID:8602860115 * DURATION (mm-ss):02-54